

**WHAT IS CLAIMED IS:**

1. An improved device, providing a user safe and portable laser beam based system, enabling the user sport and fitness activity inside the gym clubs and outside, while providing full control over the laser beam cycle frequency, activity reset control, difficulty level adjustment and digitally displaying laser beam successful cycles, all that without being physically connected to the electrical power, said device can be used by single individuals if so desired, said device comprising:
  - (a) a telescopic vertical poll;
  - (b) plural number of laser beam bases, manually slidable on the said poll, to exact required location;
  - (c) laser beam eyes, located inside the said laser beam bases;
  - (d) conventional means for connecting said laser eyes to the electronic board;
  - (e) conventional means for digitally displayed counter, to display successful laser beam cycles;
  - (f) conventional means for built in electronically based beeper, to mark the start of the activity;
  - (g) conventional means for built in electronically based buzzer, to alert the user when laser beam hits him;
  - (h) means for laser beam cycle frequency control;
  - (i) means for restarting the activity and the counter display of said device;
  - (j) means to activate one or all said laser beam eyes;
  - (k) means to turn on and off said device;
  - (l) means for holding said battery;

2. The device of claim 1 wherein said laser beams device is used for sporting events when the height measurements are required, by adjusting the laser eye to desired height.
3. The device of claim 1 wherein said laser beams device is used for recreational activities, like "Limbo" or "Jumping Rope" games, by adjusting the laser eye to desired height.
4. The device of claim 1 wherein said laser beams device is used to stop the public at the exact location with optional alarm set if anybody passes the laser line.
5. The device of claim 1 wherein said laser beams device is used as a guiding path, for the public to follow the laser beam, mirrors, placed in the corners at 45 degrees, can be used to change the path direction by redirecting the laser beam.

6. An improved device, providing a user safe and portable laser beam based system, enabling the user recreation activity in-house and outside in the parks, while providing full control over the laser beam cycle frequency, activity reset control, difficulty level adjustment and digitally displaying laser beam successful cycles, all that without being physically connected to the electrical power, said device can be used by one or group of people, said device comprising:
  - (a) a telescopic vertical poll;
  - (b) plural number of laser beam bases, manually slidable on the said poll, to exact required location;
  - (c) laser beam eyes, located in the said laser beam bases;
  - (d) conventional means for connecting said laser eyes to the electronic board;
  - (e) conventional means for digitally displayed counter, to display successful laser beam cycles;
  - (f) conventional means for built in electronically based beeper, to mark the start of the activity;
  - (g) conventional means for built in electronically based buzzer, to alert the user when laser beam hits him;
  - (h) means for laser beam cycle frequency control;
  - (i) means for resting the activity and the counter display of said device;
  - (j) means to activate one or two said laser beam eyes;
  - (k) means to turn on and off said device;
  - (l) means for holding said battery;
  - (m) means for rotating said device, generating rotating laser beams;
  - (n) means for place said device at the predefined angle;
  - (o) means for securing laser beam device when its inserted into said rotating deviece.
7. The device of claim 6 wherein said plural number of laser beam bases, are conventional bases, to hold said laser eyes, which can be rotated at any given angle.

8. The device of claim 6 wherein said means for rotating said device, comprising an electronically powered rotating base, which horizontally rotates about its origin.
9. The device of claim 8 wherein said rotating base, has a built conventional battery to provide electrical power to rotate said rotating base.
10. The device of claim 8 wherein said rotating base, has a built in matching cavity for said laser beam device, so said laser device can be attached into said rotating base and by that creating rotating laser beams which can be used for recreational activity and for attraction of the public to the event location.
11. The device of claim 8 wherein said rotating base, has a stability plate, at the bottom, which remains steady during the rotation of said rotating base.
12. The device of claim 6 wherein said means for place said device at the angle, has two supporting foldable legs which place said rotating base at the predefined angle when these legs are opened.
13. The device of claim 10 wherein said laser device is inside said rotating base is generating, by rotating about it's origin, multiple laser beams shooting at the sky, creating large circles, to attract attention while the source of said laser beams represents the exact location of the event.
14. The device of claim 10 wherein said laser device is inside said rotating base is generating, by rotating about it's origin, can be used as seating around the table recreational game with predefined rules, for example the user need to skip the first said laser beam, but to catch the second one otherwise he fails.

15. The device of claim 10 wherein said laser device is inside said rotating base is generating, by rotating about its origin, can be used as outdoor recreational game for group of people organized in a circle to jump over said laser beam when said laser beam reaches their location.

16. The device of claim 10 wherein said laser device is inside said rotating base is generating, by rotating about its origin, can be used as outdoor recreational game for individuals or group of people not to touch both said laser beam, one from the top and another one from the bottom, so the user is fully aware that one of said laser beams can hit him at the head, so he should bent, and the other one at the legs area, so he should jump over said rotating laser beam.

17. An improved device, providing a user safe, portable and easily assembleable vehicle safety device, enabling the user to predefine the distance below which the breaks system in the car will be activated automatically stopping or slowing the speed of the car, violation of this predefined distance will be sensed by the laser based sensor, attached to the front bumper or the like, the signal will be passed to electronic board, located inside the car, and then to electro-mechanical solenoid or mini-motor which will active the breaks system in the car, said device comprising:

- (a) plural number of laser beam eyes, attached to the front of the vehicle;
- (b) electronic board to manage said laser eyes signals;
- (c) electro-mechanical solenoid or mini-motor which connected to said electronic board and attached to the breaks system in the car;
- (d) means to safely protect said electronic board;
- (e) means for attaching said electro-mechanical solenoid or mini-motor to the car for stability purposes.

18. The device of claim 17 wherein said plural number of laser beam eyes they can be predefined to act on the same distance to cover more area which is potentially can be accidental.
19. The device of claim 17 wherein said plural number of laser beam eyes they can be predefined to act on different distance to smooth the pressure applied on the breaks system in the car.
20. The device of claim 17 can be used to control the traffic signal by sensing the amount of people waiting to cross the road.